



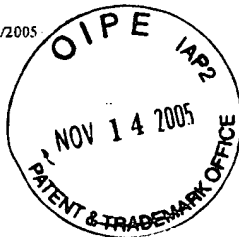
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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/045,980 | 01/01/2002 | Matthew J. Sherman | 2001-0027 | 2352 |

28852 7590 10/12/2005

STEPHEN R. AUTEN
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53RD FLOOR
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EXAMINER

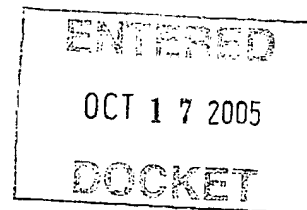
SHAND, ROBERTA A

ART UNIT PAPER NUMBER

2665

DATE MAILED: 10/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



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OCT 17 2005

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UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Serial Number
10045980

Date Mailed
10/12/05

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 30 days from the mail date of this Notice within which to correct the informalities indicated below. A failure to reply will result in the application being ABANDONED. This period for reply is NOT extendable under 37 CFR 1.136 (a) or (b).

- Specification page 5, serial number and filing date missing.

APPLICANT MUST SUPPLY MISSING INFORMATION WITHIN 30 DAYS OF THE MAIL DATE OF THIS NOTICE.

A copy of this notice MUST be returned with the reply. Please address response to Commissioner for Patents P.O. Box 1450
Alexandria, VA 22313-1450

Rori Burch
USPTO
Publishing Division
Fax (703) 746-6830
Fax (703) 308-6642

(DS) in 802.11. Stations in systems using either or both 802.11 and HIPERLAN/2 protocols should accommodate both. Due to the wireless nature of the WLAN, ordinary stations need not support both systems although such abilities would be desirable since it is most likely that common frequencies will be shared. It is clearly desirable that the APs support both standards (i.e., with a hybrid AP (HAP)).

[0018] An illustrative example of a station/access port 201 is shown in the FIG. 2 and includes a wireless antenna 203, a radio signal processing component 205, and a data processing component 207. The data processing component receives data entered from a computer unit and transmits received data from the radio unit to a computer unit of the WLAN. The STA/AP may take many varied forms known to those skilled in the art and hence need not be disclosed in detail.

[0019] Some prior solutions to the problem of collisions between competing systems sharing a common frequency band have relied on a spoofing technique to spoof terminals into thinking that the media was busy during a time period identified by a duration field defined by the 802.11 standard. 802.11 STAs have a mechanism called the Network Allocation Vector (NAV) that can be set to prevent the STA from transmitting. However, the NAV is set only under very specific conditions that do not exist at the time the HIPERLAN/2 frames need to seize the medium. Many existing STA cannot be modified to set the NAV based on the detection of HIPERLAN/2 transmissions. A network allocation vector (NAV) normally is set to indicate that a media is busy even if no signal is detected. Hence setting of the NAV may be used to inhibit unwanted transmissions in cases where they might interfere with other transmissions that are undetectable to the potentially interfering station. Such a system is described in my co pending patent application Serial Number --- filed --- and entitled "-----". Possible spoofing frames / frame sequences that could be useful include a CTS transmitted by an AP, a data frame transmitted by an AP, an RTS transmitted by an AP followed by a CTS from a station, the prior RTS / CTS

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27
TOTAL AMOUNT OF PAYMENT (\$) **920.00**

Complete if Known

| | |
|----------------------|----------------------|
| Application Number | 10/045,980 |
| Filing Date | 01 January 2002 |
| First Named Inventor | Sherman, Mathew J. |
| Examiner Name | Stevens, Roberta A. |
| Art Unit | 2665 |
| Attorney Docket No. | 2001-0027 (1014-162) |

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 50-2504 Deposit Account Name: Michael N. Haynes

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 0 |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|---|----------|-----------------------|
| Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent | 50 | 25 |
| Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
 - 20 or HP = 0 x 50 = 0

HP = highest number of total claims paid for, if greater than 20

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
 - 3 or HP = 0 x 200 = 0

HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims
Fee (\$) **Fee Paid (\$)**
 0

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
 - 100 = / 50 = 0 (round up to a whole number) x 250 = 0

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount) **Fees Paid (\$)**
 0

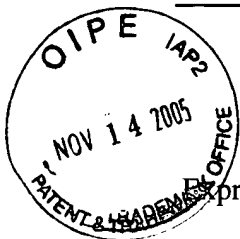
Other: Petition fee under 37 C.F.R. 1.17 (h), Request for Continued Examination (RCE) **920**

SUBMITTED BY

| | | | | | |
|-------------------|--------------------------|-----------------------------------|-------------|-----------|--------------|
| Signature | <i>Michael N. Haynes</i> | Registration No. (Attorney/Agent) | 40,014 | Telephone | 434-972-9988 |
| Name (Print/Type) | Michael N. Haynes | Date | 14 Nov 2005 | | |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



CERTIFICATE OF EXPRESS MAILING

Express Mail Mailing Label Number: EV 694320149

Date of Deposit: 14 November 2005

Pursuant to 37 C.F.R. § 1.10, I certify that I am personally depositing the following paper(s) or fee(s) with the "Express Mail Post Office to Addressee" service of the United States Postal Service on the above date in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450

Stamped, self-addressed postcard for USPTO receipt stamp (1 card)

Reply to Notice to File Corrected Application Papers (3 sheets)

Copy of Notice to File Corrected Application Papers (3 sheets)

Petition Under 37 CFR 1.313 (c) (2 sheets)

PTO/SB/30 Request For Continued Examination (RCE)

Transmittal (1 sheet)

PTO/SB/17 Fee Transmittal Form (1 sheet)

PTO-2038 Credit Card Payment Form (1 sheet)

Information Disclosure Statement (4 sheets)

Form PTO-1449 (2 sheets)

1 Foreign patent documents

9 Non-Patent Literature documents

Application Number 10/045,980
Confirmation No.: 2352
Filing Date: 01 January 2002
Document Submission Date: 14 November 2005

Art Unit: 2665
Examiner: Stevens, Roberta A.
Inventor: Sherman, Mathew J.
Docket: 2001-0027 (1014-162)

14 Nov 2005

Date

Eden Brown

Name of Certifier

Eden Brown

Signature of Certifier